

Question (1): (A): Put (√) or (x):

1. The return value of the function (Area) is (Single) as demonstrated in the declaration:
Function Area(ByVal radius As Single) As Integer. ()
2. The (Or) operator requires that, the result of all conditions must be (False) so that the final result is False. ()
3. If the line of code is somewhat long; the symbol (_) enables writing lines of code in more than one line. ()
4. Anonymity is considered one of the Forms of Cyber bullying. ()

(B) Write down the result of executing this code:

```
Dim X As Single
X = Me.TextBox1.Text
If X >= 50 Then Label1.Text = "ناجح" Else Label1.Text = "راسب"
IF X = 20 .....
IF X = 75 .....
```

Question (2): (A): Choose the appropriate word from the bracket:

1. The error handling code during Runtime is place after the word (EndTry – Catch - Try)
2. The predefined functions that used to check the data stored in the variable or in the TextBox; if it is numerical or string values is (IsNumeric – Show – Now)
3. Identify Its Aggressive messages directed against one or more. (Anonymity – Harassment – Outing)
4. The property that determines the selected item in a (ListBox) is (Checked - SelectedIndex - Items)

(B): What is the Data type of properties in the following:

Property	Data Type
Text	
AutoSize	

Question (3): (A): Rewrite the following code using the (Do While) statement

For 1 To N step 2	
ListBox1.Items. Add(i)	
Next	

(B): From the demonstrated code extract the following:

```
Sub ShowOddOrEven (ByVal Start As Integer)
    Dim I As Integer
    Label1.Text = ""
    For I = Start To 10 step 2
        Label1.Text = Label1.Text & "" & I
    Next
```

1. Procedure Name:
2. Parameter given to this Procedure:
3. Data type of the Parameter:

(GOOD LUCK)

Question (1): Choose the correct answer for the following:

1. The property responsible for setting the time period of timer tool in milliseconds (SetFocus – Enabled – Now – Interval)
2. The function name in the following code Label1.text = Isnumeric("five") is (IsNumeric – Label1 – Text – Five)
3. The logical operator that gives a final result of True if the output of one of the conditions is True (Not – Or – And – &)
4. The error in the line of code Dim X As Byte = 400 is of type (Error – Syntax – Logic – Runtime)

- To repeat a code in more than one place within the class and does not return a value use the procedure (Constant – Sub – Function – Variable)
- After performing the arithmetic expression $(4 * 2 ^ 2)$ the result is $(8 - 32 - 16 - 64)$

Question (2): Put ($\sqrt{\quad}$) or ($\times$):

- The function TimeOfDay is used to display the date and time recorded inside the computer. ()
- When the value of property SelectedIndex is 1 this means that the selected item is the second item in the ListBox tool. ()
- The Char data type is used for mathematical calculations. ()
- The operator $<>$ is considered of logical operators. ()
- Parameter is used as a way to receive values from out of the procedure that is not known in advance. ()
- The command loop is used to go out of the repetition loop in select case sentence. ()

Question (3): Put each word in the suitable place:

(Do...While – Const – Boolean – Show)

- a statement used to repeat a code unspecified number of times based on a certain condition.
- is one of the functions that are called directly.
- is a word to declare the constants.
- is the data type of property AutoSize.

Question (4): What is the result of executing the following codes:

1	2
<pre>Dim A As Integer = 15 If A Mod 3 = 0 Then Label1.Text "True" Else Label1.Text = "False" End if</pre>	<pre>Dim R, Sum As Integer For R = 5 To 10 step -1 Sum = Sum + R Next MsgBox(R)</pre>

(GOOD LUCK)

(3) AL KALYUBIA GOVERNORATE 2015 – 2016

Question (1): Complete the following sentences:

- The conditional statement is similar to the (If...Then...ElseIf) statement.
- The function is used to check the value whether It Is numeric or not.
- The logical operator gives the final result (True) if either conditional expression is (True).
- In the (If...Then...Else) statement, the code after is executed when the result of the condition is (False).
- Interval has a value of (5500) hence its value equals seconds.
- is used to detect the Run Time Errors.

Question (2): Write the scientific term:

- The procedure that has a certain name. When called, the program is executed and returns a value. [.....]
- What is written after, is not considered lines of code and is neglected during the code compilation. [.....]
- The post of aggressive and insulting words against one or more using electronic media. [.....]
- Used in repetition, especially if you do not Know the number of repetitions. [.....]
- A part of program code; its result can be (True) or (False) depending on the value of a Property or a variable. [.....]

Question (3): Write the necessary code for each case:

- To declare the production date (P_Date) as a constant of a suitable data type, its value Is 14/5/12016.
.....
- To assign the value Which will be entered In the Textbox1 control to the variable N.
.....
- To declare the number of students in school (St_Number) as a variable of a suitable data type.
.....
- To display the numbers divisible by 3 from 3 to 20 (use For...Next).
.....

Question (4): Read the following code and then answer about each case:

First Case	Second Case
<pre>Dim n as integer s 12 If is >= 20 then t.abel2.text"Pass Else Label2.text"Fall End If</pre> 1. The conditional expression in code is 2. The displayed value in Lsbel2 after the implementation of the code is	<pre>Dim X as Integer = 1 Dim m as Integer For m = 0 To 7 step 3 X = X * 2 Next Msgbox(X)</pre> 1. The value of the variable K after the implementation of the cod is 2. The value of the variable M after the implementation of the code is 3. The number of repetition is

(GOOD LUCK)

(4) AL SHARQIA GOVERNORATE 2015 – 2016

First Question: Put (√) or (×):

1. The property that determines the' selected item a (ListBox) is (SelectedIndex). ()
2. Variables Of types (Integer & Long & Double) are used to store integers only. ()
3. If you specify a value of 250 to the property (Interval) for the control (Timer) it means 2.5 seconds. ()
4. The return value of the function (Area) is (Single) as demonstrated in the declaration:
Function Area(ByVal Radius As Single) As integer. ()
5. From the electronic media used in Bul1ying is the Instant Message. ()

Second Question: Choose the correct answer from the following chooses:

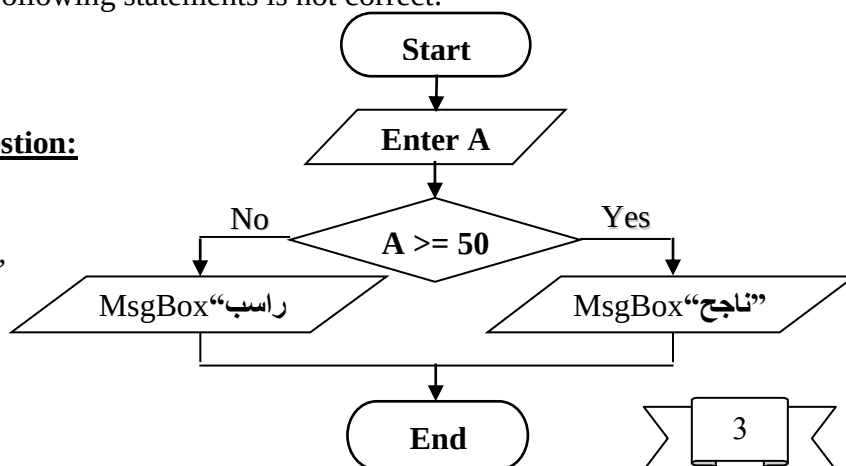
1. After executing the following code what will be displayed in the Label is:

```
Dim x as Integer = 60
If x Mod 3 = 0 then
    Label1.Text = "True"
Else
    Label1.Text = "False"
End If
```

A) True B) False C) 60
2. Assigning values to Constants is done:
A) When on declare Constants only.
B) During the implementation of program's instructions.
C) All the above.
3. The purpose of using the (Do While...Loop) statement is:
1. Repeat the code until the conditional expression becomes (True).
2. Repeat the code as long as the conditional expression is (True).
3. Repeat the code us long as the cociditional expression is (False).
4. Which of the following (Select...Case) statements when evaluated, it result is False, knowing that the value of the variable being tested is 20:
A) Case Is >= 8 B) Case 1 To 6, 20 C) Case Is < 20
5. For the function (AddArea) which of the following statements is not correct:
A) A = B + AddArea()
B) AddArea() = A + B
C) A = AddArea()

Third Question: Answer the: following, question:

- A. Write the code by depending on the Flowchart by using the conditional branching without changing any variables, Constants, or Valuable:
- B. Mention types of errors that appear at some codes.
- C. Define the (Procedure).



Forth Question: Answer the: following, question:

A. In the following code, get the names of the functions:

```
MessageBoxShow(Factorial(5))
```

B.

```
Public Class Form5
```

```
Function Sum(ByVal X as Single, ByVal Y as Single) as Single
```

```
Dim R As Single
```

```
R = X + Y
```

```
Return R
```

```
End Function
```

```
End Class
```

From the former Code extract the following:

1- The return value.

2- Parameter given to function by the data type for it.

C. Rewrite the following Code using the (Do While) statement without changing any Variables, Constants, or Valuable:

```
Dim A As Integer
```

```
For A = 5 To 50 Step 5
```

```
ListBox1.Items.Add (A)
```

```
Next
```

(GOOD LUCK)

(5) AL DAKAHLIA GOVERNORATE 2015 – 2016

Question (1): (A) Choose the correct answer from between brackets:

1. The Sub procedure may have (one parameter – more than one parameter – No parameters – All the previous)
2. In the For...Next statement then the increment will negative when the start value is end value (Greater than – Greater than – Equal)
3. In IF...Then...Else when the result of conditional expression is False the sentences that follow are executed (Then – Else – End If)
4. The Sub procedure or Function is declared (once – more than once – None of the previous)
5. are reserved locations in the computer memory (Ram) and have data type with values that change during execution of the program.

(B) Write the scientific term

1. Through which we can make repetition every specific period. [.....]
2. A string constant used to create a new line. [.....]
3. A part of program code its result can be (True) or (False) depending on the value of a Property or a variable. [.....]
4. It is used in the right side of the assignment statement and has no value assigned to it. [.....]

Question (2): Complete the following sentences:

1. Use to declare constants in the program.
2. To store the value True or False, use a variable of type
3. The output of the arithmetic operation $(4 * 3^2) / 6 - 3$ is
4. We use as a way to receive values from out of procedure which is not known in advance.
5. To detect the program errors use the function with the additional If statement which always returns value True or False.
6. Complete the following code to print the odd numbers from 1 to 8 using the Do While statement:

```
Dim X As Short  
X = .....  
Do While .....  
MsgBox(X)  
.....  
.....
```

Question (3): (A): Put (✓) or (x):

1. The method Focus() is used to delete the contents of the TextBox tool ()
2. When the Step is not written in the For...Next, then the default increment value is 0. ()

3. Variable name may begins with a letter or a number. ()
4. Logic Error doesn't give any error message and gives result. ()
5. When using logical operator Or, final result is False if the result of all of the conditions is False. ()
6. Select Case is used when there are more than two possibilities and testing more than one conditional expression. ()

(B): Read the following code then answer the questions:

```
Dim A, B, C As Single
B = 1
For A = 1 To 8 Step 3
    B = B + A
Next
If A < B Then
    C = C + 3
ElseIf A <> B Then
    C = C + 5
Else
    C = C + 6
End If
```

1. The value of A = ...
2. The value of B = ...
3. The value of C = ...

(GOOD LUCK)

(6) DAMIETTA GOVERNORATE 2015 – 2016

Question (1): Put (✓) or (x):

1. Values can be assigned to variables during declaration or at a later stage. ()
2. The conditional expression is part of the programming code and its result is either True or False. ()
3. The purpose of using Do While...Loop statement is to repeat code as long as the condition is False. ()
4. The return value of function Area is single, as in the declaration:
Function Area (ByVal radius As Single) As Integer ()

Question (2): Complete the following sentences:

1. Assignment statement is a
2. Focus is a method of TextBox it means
3. The Timer tool is used to
4. Procedure is

Question (3): Choose the correct answer from between brackets:

1. The error in the sentence Dim X As Single is of type (Logic Error – Runtime Error – Syntax Error)
2. (IsNumeric – Numeric – IsNumber) is one of the predefined functions that are used to determine whether the variable content is text or numeric.
3. To end the iterative loop when the condition A = 2 is True, write its beginning as follows:
(Do While a <> 2 – Do While a < 2 Or a >= 2 – Do While a = 2)
4. Parameter of Procedure either be abstract value or variable or or

Question (4): (A): Determine the result of executing the following calculations:

1. $4 / 2 + 5 * 2 - 3$
2. $(4 * 3^2 - 30) / (11 \bmod 3 - 1)$

(B) Consider the following code which sets the appropriate label for each age entered in TextBox1:

```
Dim age As Single
Age = Me.TextBox1.Text
Select Case age
Case 14 to 18
    Label2.text = "أنت مرأهق"
Case 19 to 30
    Label2.text = "أنت شاب"
Case Else
    Label2.text = "يرجى إدخال رقم بين 14 إلى 30"
End select
```

Determine what is displayed in the Label tool when you input the following ages in the TextBox1:

Age entered	Result
22	
8	

3. What is the value of M after the execution of the following loop For M = 3 to 1 Step -1:

4. Write in front of each sentence in column (B) the suitable number of the column (A):

A	B
1. Sub Procedure ()	a. Used in the right side of the assignment statement and does have any value.
2. Function ()	b. Used in the right side of the assignment statement and get value only at declaration.
3. Variables ()	c. Never used in the right side of the assignment statement.
4. Constants ()	d. Used in both sides of the assignment statement.

(GOOD LUCK)

(7) KAFR AL SHAIKH GOVERNORATE 2015 – 2016

Question (1): Put (✓) or (x):

- The code that follows Else in If statement is executed when the result of conditional expression is True.()
- According to the priorities of arithmetic operations addition and subtraction are performed before multiplication and division. ()
- Predefined function are defined in the programming language and can be called directly. ()
- Cyber bullying is an intentional aggressive behavior using electronic media, for the purpose of intimidation or threatening others. ()
- One of the rules for naming variables or constants in the program is; it must begin with a letter or a number. ()
- Procedure is declared once and is called any number of times. ()

Question (2): Put the suitable word in the suitable place:

(Select...Case – Integer – Dim – Step – Sub)

- is used if there are more than two possibilities for branching.
- To declare variables use the word
- When is not written with For...Next statement that means the default value of increment is one.
- We declare in case that we have a (Code) that will be repeated in more than one place within the Class.
- Variable of the type is used to store whole numbers only.

Question (3): Complete the following sentences:

- The error in the code Const X As Single is of type
- The result of executing the calculation $(5 + 3) * 2$ is
- When setting the value of 3,500 for the property Interval for Timer tool this means Seconds.
- The operator gives final output (True) if both conditions are (True).
- statement is used to repeat a specific code for unknown number of times it based on the specific condition.

Question (4): Choose the correct answer from the given answers as follows:

1. After implementing the opposite code, what is shown in the Label tool (lbl_display) is	Dim X As Integer, sum As Integer For X = 1 To 5 Sum = Sum + X Next lbl_display.text = Sum
a. 5	
b. 10	
c. 15	

2. After implementing the opposite code, what is shown in the Label tool (Label1) is
- True
 - False
 - 15

```
Dim Y As Integer = 15
If Y mod 3 = 0 Then
    Label1.Text = "True"
Else
    Label1.Text = "False"
End If
```

(GOOD LUCK)

(8) GIZA GOVERNORATE 2015 – 2016

First question: Put (√) or (×):

- Each data type has storage space in the memory. ()
- The Sub procedures are not used in the assignment statement. ()
- Exclusions means sending e-mail that carry threat or menace. ()
- The variable of type (Double) takes the value of true or false. ()
- The symbol (&) is one of the logical comparison operators. ()
- The Do While...Loop keeps executing the code as long as the conditional expression is (True). ()

Second question: Choose the correct answer from between brackets:

- The reserved word is used to create a new line. (VbCrLf – Me – REM)
- The function is used to receive value from the user. (Listbox – MsgBox – InputBox)
- is part of a program code; its result can be (True) or (False). (Arithmetic operations – A conditional expression – Variables)
- we cannot assign values to it. (Variables – Constants – Functions)
- Assignment statement consists of two sides separated by the assignment operator. (< – = – <>)

Third question: A): Write the scientific term for the following statements:

- The default event of the (Timer) control; and means that the time assigned in the (Interval) property has passed. [.....]
- A mathematical operator that computes the remainder of a division expression. [.....]
- Errors happens when writing code incorrectly. [.....]

B) Correct the underlined word in the following sentences:

Sentence	Correction
1. (Do While...Loop) used when you know in advance the number of iterations.	1.
2. The (If...Then...Else) statement ends with the keyword End.	2.

Fourth question: A): In the following code:

```
Const X As Single = 22/7
```

Extract the following:

- Constant name
- Data Type

B) Complete the following code to display the even numbers from 2 to 20

```
For I = ..... To ..... Step .....
```

(GOOD LUCK)

(9) ISMAILIA GOVERNORATE 2015 - 2016

Question (1): Put (√) or (×):

- Variable of type Double takes the value True or False. ()
- User inputs are received through many tools such as the Textbox. ()
- The code that follows (Else) in If statement is executed when the result of the conditional expression is (True). ()
- In case that the (Step) is not written in (For...next) statement, this means that the value of the default increment is zero. ()
- Sub procedure does not return any value, while the Function returns a value. ()

6. There are no types of cyber bullying within Egyptian society. ()

Question (2): What is the value of variable C after executing each of the following codes:

Code No. (1)	Code No. (2)	Code No. (3)
Dim C As Integer C = 1 Do While C < 10 C = 2 * C loop	Dim I As integer Dim C As Integer C = 1 For I = 1 to 3 C = C * I Next	Dim a, b as integer Dim C As String A = 3 B = 5 If a > b then C = "ahmed" Else C = "Mohamed" End if

Question (3): Choose the correct answer from between brackets:

1. If value 4500 is set for the property (interval) of the Timer tool this means (4.5 minutes – 4.5 seconds – 45 seconds)
2. The result of executing the calculation $(2 * (7 + 2) - 2)$ is (16 – 14 – 5)
3. The error doesn't cause the program to stop (Runtime – Syntax – Logic)
4. The best repetition loop used when we know the number of iterations in advance is (If...End if – For...Next – Do While...Loop)
5. The Output Function is always True or False (Factorial – Show – IsNumeric)

Question (4): Write the necessary programming code to do the following:

1. Declaration for a variable A of type Integer.
2. Declaration of the constant Pi of type Single and value 22/7.
3. Iterative loop to display the odd numbers from 1 to 10 through a message box (Msgbox).

(GOOD LUCK)

(10) SOHAG GOVERNORATE 2015 – 2016

Question (1): Put (√) or (×):

1. The command Msgbox("3" & "X" & "3") displays a message box containing number 9. ()
2. Procedure is declared only once and is called any number of times. ()
3. The result of the statement If A > B and C < B is True in case of A = 5, B = 4, C = 3. ()
4. The output of the operation $5 + (3 * 2)$ is not different than that of the operation $5 + 3 * 2$. ()
5. To repeat a specific code for a number of times known in advance use (Do while...Loop) statement. ()
6. In (If...Then...Else) instructions that follow the word (Then) are executed if result of the condition is False. ()

Question (2): Choose the correct answer:

1. Variable name is valid in terms of the variable naming rules. (Hany_25 – 25Hany – Hany.25)
2. In (Try/Catch) statement; the error handling code is put after (Try – Catch – Try / catch)
3. The property, which refers to the selected item in ListBox control, is (Sorted – Items – Selected index)
4. Variable of type is used to store whole numbers only. (Single – Double – Long)
5. The value of (N) after the end of the loop (For N = 1 to 12 Step 3) is (12 – 13 – 10)
6. the statement is used in case of using more than one conditional expression. (If...then...Else – If...then...ElseIf – all the previous)

Question (3): Complete the following sentences:

1. The result of executing the following code: Label1.Text = IsNumeric(5) is
2. You can programmatically start and stop Timer by changing the property
3. When the step is not written with the For...Next statement this means that the default increment is
4. The operator is a mathematical operator that gives the remainder of division.

Question (4): Match from column (A) with the suitable of column (B):

No.	Column (A)	column (B)	
1.	Function	()	What is written after it is not considered code and is ignored when compiling the codes.
2.	Variable	()	is used to create a new line.
3.	Sign ‘	()	Is used in the right side of the assignment statement and assigned a value on declaration only.
4.	Reserved word (VBCrLf)	()	Is used in the right side of the assignment statement and no value assigned to it.
		()	Used on both sides of assignment statement.

(GOOD LUCK)**(11) LUXOR GOVERNORATE 2015 – 2016****Question (1): (A) Put (√) or (x):**

- Variables of Types (String – Char) are used to store numeric data. ()
- IF...Then...ElseIf statement is used in case of testing more than one conditional expression. ()
- (3Ahmed) is a valid variable name. ()
- If the value (5000) is set for the property Interval of the Timer tool, this means 5 Seconds. ()
- If the value of the variable A is 30 and the variable M is 50, then the result of the conditional expression (A > 10 OR M < 70) is False. ()
- We can exit the repetition loop Do...While...Loop based on conditional expression. ()

Question (2): Choose the correct answer from between brackets:**(For Next - True - variables - constants)**

- are reserved locations in the computer memory (Ram) with values that cannot be changed during execution of the program.
- In the IF statement the code that follows Then is executed when the result of conditional expression is
- The best repetition loop used when the number of iterations is known in advance is

Question (3): (A) Complete the following sentences:

- The Output of performing the following calculations $8 + 5 * (4 / 2) =$
- If the (Step) is not written with “For...Next”, this means that the default value of the increment is
- Select Case statement ends with

(B) Determine the error type in the following code and correct it:

Code	Error type	Correction
Din X As single		

(GOOD LUCK)**(12) NORTH SINAI GOVERNORATE 2016 - 2017****Question (1): Put (√) or (×):**

- Variables are declared using the keyword Const. ()
- The code that follows Else in If statement is executed when the conditional expression result is True. ()
- If the value of the variable X is 15 and the variable Y is 350, then the result of conditional expression (X < 10 or Y > 500) is True. ()
- You can exit the iterative loop (Do While) based on a conditional expression. ()
- The output of the function IsNumeric can be either True or False. ()

Question (2): You have a VB.Net program Code:**Extract the following:**

- Variable name:
- Constant Name:
- Procedure name:
- Return value:
- Type of function parameter:

```
Function Area (byVal radius As Single) As Single
Const X As single
Res = x * radius ^ 2
Return res
End Function
```

Question (3): Match from column (B) to the suitable of column (A):

(A)		(B)
1. Sub procedure	()	a) is used in the right side of the assignment statement and no value assigned to it.
2. Try...Catch...End Try	()	b) is used in the both sides of the assignment statement.
3. Rem	()	c) is used in testing more than conditional expression in one conditional statement.
4. Function	()	d) is never used in the assignment statement.
5. Select Case	()	e) gives possibility of handling errors before they occur.
		f) programmer needs it when writing the code, to put a specific comment that is not executed.

Question (4): Choose the correct answer:

- Variables of types (Integer & Long) are used to store numbers. (Integer – Non-integer – Integer and Non-integer)
- The result of the arithmetic operation $2 + 7 * 4$ is (30 – 36 – 42)
- The result of the following code is

```
Dim A As Integer = 7
Dim B As Integer = 9
Msgbox(A & "X" & B & "" & "=" & "" & A * B)
```

($7 \times 9 = A * B$ – $7 \times 9 = 63$ – $A \times B = 63$)

- What is the value of variable S that is shown in the message box after the execution of the following code:
.....

(1 - 2 - Overflow)

```
Dim S As Integer = 3
Do While S >= 3
    S = S - 2
Loop
Msgbox(S)
```

- The best repetitions statement used when we know the number of repetitions in advance
..... is (Do While... Loop – If...EndIf – For... Next)

(GOOD LUCK)